

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1007 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Barry, Earl	Locality:	
Date Desc.:	21/11/91	Elevation:	186 metres
Map Ref.:	Sheet No. : 8256 GPS	Rainfall:	No Data
Northing/Long.:	7691446 AMG zone: 55	Runoff:	Rapid
Easting/Lat.:	472468 Datum: AGD66	Drainage:	Poorly drained

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Existing vertical exposure, Shale

Land Form

Rel/Slope Class:	Gently undulating plains <9m 1-3%	Pattern Type:	Plain
Morph. Type:	Lower-slope	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Very gently sloped
Slope:	2 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Calcic Mottled-Subnatric Brown Sodosol Thick Non-gravelly Sandy Clayey Deep		Principal Profile Form:	Dy3.43
ASC Confidence:		Great Soil Group:	Solodic soil

No analytical data are available but confidence is fair.

Site Disturbance: No effective disturbance other than grazing by hoofed animals

Vegetation: Low Strata - Tussock grass, 0.51-1m, Very sparse. *Species includes - Aristida species, Heteropogon contortus
Mid Strata - Tree, 1.01-3m, Sparse. *Species includes - Eucalyptus shirleyi
Tall Strata - Tree, 3.01-6m, Mid-dense. *Species includes - Eucalyptus shirleyi

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Dark greyish brown (10YR4/2-Moist); ; Loamy sand; Massive grade of structure; Dry; , Calcareous, , , , Gypseous, , , Clear change to -
A2e	0.1 - 0.32 m	Brown (10YR5/3-Moist); ; Loamy sand; Massive grade of structure; Dry; , Calcareous, , , , Gypseous, , , Abrupt change to -
B21	0.32 - 0.6 m	Yellowish brown (10YR5/4-Moist); Mottles, 7.5YR5/6, 10-20% , 5-15mm, Faint; Mottles, 10-20% ; Medium clay; Moderate grade of structure, 10-20 mm, Angular blocky; Dry; Few (2 - 10 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , , Clear change to -
B22	0.6 - 1 m	Brown (7.5YR5/4-Moist); Mottles, 10YR6/2, 10-20% , 0-5mm, Faint; Mottles, 10-20% ; Medium clay; Moderate grade of structure, 10-20 mm, Angular blocky; Dry; Few (2 - 10 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; Common (10 - 20 %), Calcareous, Coarse (6 - 20 mm), Nodules; , Gypseous, , ,
C	1 - 1.1 m	; , Calcareous, , , , Gypseous, , ,

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable Acidity		CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na				%
						Cmol (+)/kg				

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size	Analysis
m	%	%	mg/kg	%	%	%	Mg/m3	GV CS FS	Silt Clay
								%	

Depth	COLE	Gravimetric/Volumetric Water Contents						K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar	
m					g/g - m3/m3				mm/h mm/h

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Laboratory Analyses Completed for this profile